

**Things to Know, Understand and Do  
For CP Chapter 12: Concentrating Matter (Moles and Gases)**

*By the end of Chapter 12, you should*

<b>Know how to...</b>
State Avogadro's Law
Define standard molar volume and use it to calculate gas masses and volumes
State and perform calculations with the ideal gas law

  

<b>understand...</b>
That equal volumes of gases have equal numbers of particles at the same temp and pressure
How the ideal gas constant was derived and what its units are

**Ch 12 Homework**

Due the day before the test. Must be completed neatly. Use full sentences and/or show all work in calculations for full credit where applicable. This assignment may be passed in anytime before the test though. Students may also elect to pass in questions in smaller chunks during the course of our coverage of the chapter if that is more conducive to their learning style.

Read Chapters 12 (p 331-338) **Ignore all sections on weather.**

Do the following problems:

p 334 Q 2, 3(a, c, d), 5, 6

p 338 Q 3, 4, 5

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